

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
22 September 2005 (22.09.2005)

PCT

(10) International Publication Number  
**WO 2005/087147 A1**

(51) International Patent Classification<sup>7</sup>: **A61F 5/00**,  
B29C 45/16

(74) Agent: **ROLAND, André**; c/o ANDRE ROLAND S.A.,  
Avenue Tissot 15, P.O. Box 1255, CH-1001 Lausanne  
(CH).

(21) International Application Number:  
PCT/IB2005/050822

(22) International Filing Date: 5 March 2005 (05.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PCT/CH2004/000136  
8 March 2004 (08.03.2004) CH

(71) Applicant (for all designated States except US): **ENDOART S.A.** [CH/CH]; PSE-B P.O. Box 115, CH-1015  
Lausanne (CH).

(72) Inventors; and

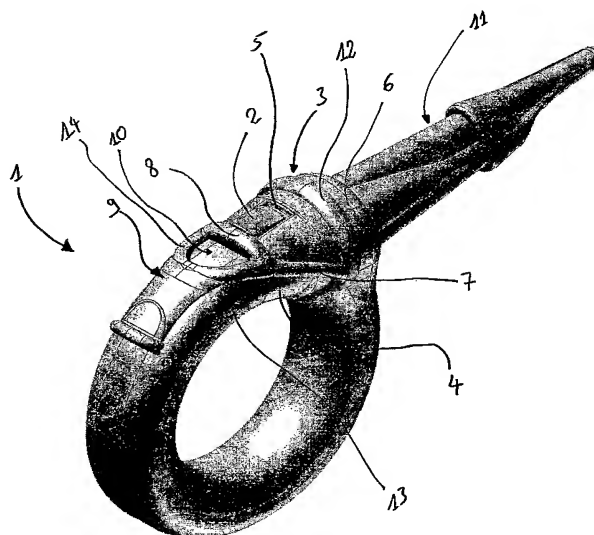
(75) Inventors/Applicants (for US only): **IMBERT, Christian** [CH/CH]; c/o ENDOART S.A., PSE-B P.O. Box 115,  
CH-1015 Lausanne (CH). **JORDAN, Alain** [CH/CH]; c/o  
ENDOART S.A., PSE-B P.O. Box 115, CH-1015 Lausanne  
(CH).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: CLOSURE SYSTEM FOR TUBULAR ORGANS



(57) Abstract: Surgically implantable adjustable ring (1) comprising a first (3) and second (4) end parts and which is designed to be closed around a tubular organ towards its two end parts (3,4) by a closure system (2,5) to adjust the diameter of said tubular organ by forming a loop, the first end part (3) forming a sleeve having a first (6) and second (7) open end parts and which is designed to receive the ring second end part (4), the sleeve main axis being defined along a direction which is substantially perpendicular to the main direction of the ring first end part (3), the ring second part (4) furthermore comprising a locking protrusion (2) adapted to hold the sleeve (3) and thereby secure the ring in a closed position, characterized by the fact that the sleeve (3) comprises a hole (5) designed to receive said locking protrusion (2).

WO 2005/087147 A1

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*